

Title (en)

MINI-HEPCIDIN PEPTIDES AND METHODS OF USING THEREOF

Title (de)

MINI-HEPCIDINPEPTIDE UND VERFAHREN ZUR VERWENDUNG DAVON

Title (fr)

MINI PEPTIDES D'HÉPCIDINE ET LEURS PROCÉDÉS D'UTILISATION

Publication

EP 3208279 A1 20170823 (EN)

Application

EP 17159667 A 20091204

Priority

- US 12027708 P 20081205
- EP 09831165 A 20091204
- US 2009066711 W 20091204

Abstract (en)

Disclosed herein are peptides which exhibit hepcidin activity and methods of making and using thereof.

IPC 8 full level

C07K 7/06 (2006.01); **A61P 3/00** (2006.01); **C07K 19/00** (2006.01)

CPC (source: EP US)

A61P 3/00 (2017.12 - EP); **C07K 7/06** (2013.01 - US); **C07K 14/575** (2013.01 - EP US); **A61K 38/00** (2013.01 - EP US)

Citation (applicant)

- WO 2004092405 A2 20041028 - XENON GENETICS INC [CA], et al
- US 7534764 B2 20090519 - GANZ TOMAS [US], et al
- KRAUSE ET AL., FEBS LETT, vol. 480, 2000, pages 147 - 150
- PARK ET AL., J BIOL CHEM, vol. 276, 2001, pages 7806 - 7810
- JORDAN, J BIOL CHEM, vol. 284, 2009, pages 24155 - 67
- NEMETH ET AL., BLOOD, vol. 107, 2006, pages 328 - 33
- ILYIN, G., FEBS LETT., vol. 542, 2003, pages 22 - 26
- KELLY; WINKLER: "Genetic Engineering Principles and Methods", vol. 12, 1990, PLENUM PRESS, pages: 1 - 19
- MERRIFIELD, J AMER CHEM SOC, vol. 85, 1964, pages 2149
- HOUGHTEN, PNAS USA, vol. 82, 1985, pages 5131 - 5135
- STEWART; YOUNG: "Solid Phase Peptide Synthesis", 1984
- OLSNES, S.; A. PIHL, BIOCHEM., vol. 12, no. 16, 1973, pages 3121 - 3126
- SCOPES: "Protein Purification", 1982, SPRINGER-VERLAG
- RIVERA ET AL., BLOOD, vol. 106, 2005, pages 2196 - 9
- FIELDS; NOBLE, INT J PEPT PROTEIN RES, vol. 35, 1990, pages 161 - 214
- NEMETH ET AL., BLOOD, vol. 107, 2006, pages 328 - 333
- NEMETH ET AL., SCIENCE, vol. 306, 2004, pages 2090 - 2093
- REBOUCHE ET AL., J BIOCHEM BIOPHYS METHODS, vol. 58, no. 3, 31 March 2004 (2004-03-31), pages 239 - 51
- PAK ET AL., BLOOD, vol. 108, no. 12, 1 December 2006 (2006-12-01), pages 3730 - 5

Citation (search report)

- [I] WO 2004058044 A2 20040715 - DRG INTERNATIONAL INC [US], et al
- [T] GLORIA C. PREZA ET AL.: "Minihhepcidins are rationally designed small peptides that mimic hepcidin activity in mice and may be useful for the treatment of iron overload", JOURNAL OF CLINICAL INVESTIGATION, vol. 121, no. 12, 1 December 2011 (2011-12-01), pages 4880 - 4888, XP055024189, ISSN: 0021-9738, DOI: 10.1172/JCI57693
- [XII] NEMETH ELIZABETA ET AL.: "The N-terminus of hepcidin is essential for its interaction with ferroportin: structure-function study", vol. 107, no. 1, 1 January 2006 (2006-01-01), pages 328 - 333, XP002519931, ISSN: 0006-4971, Retrieved from the Internet <URL:10.1182/BLOOD-2005-05-2049> [retrieved on 20050901], DOI: 10.1182/BLOOD-2005-05-2049

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2010065815 A2 20100610; WO 2010065815 A3 20101021; AU 2009322260 A1 20110707; AU 2009322260 B2 20130912; BR PI0922708 A2 20181106; CN 102245626 A 20111116; EP 2373679 A2 20111012; EP 2373679 A4 20120530; EP 2373679 B1 20170308; EP 3208279 A1 20170823; EP 3208279 B1 20210421; US 2012040894 A1 20120216; US 2013203662 A1 20130808; US 8435941 B2 20130507

DOCDB simple family (application)

US 2009066711 W 20091204; AU 2009322260 A 20091204; BR PI0922708 A 20091204; CN 200980148967 A 20091204; EP 09831165 A 20091204; EP 17159667 A 20091204; US 20091313792 A 20091204; US 201313793116 A 20130311